

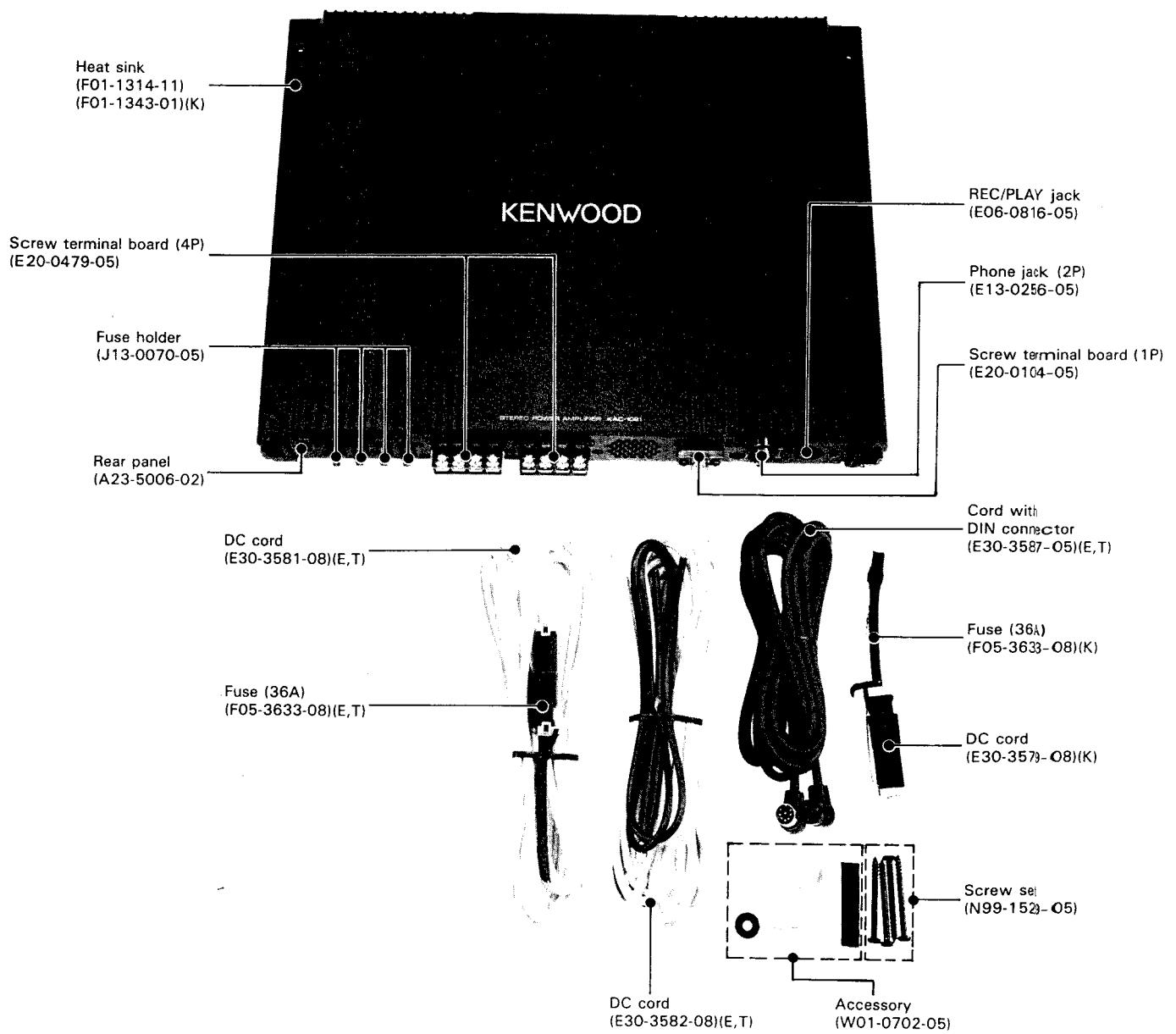
STEREO POWER AMPLIFIER

# KAC-1021

## SERVICE MANUAL

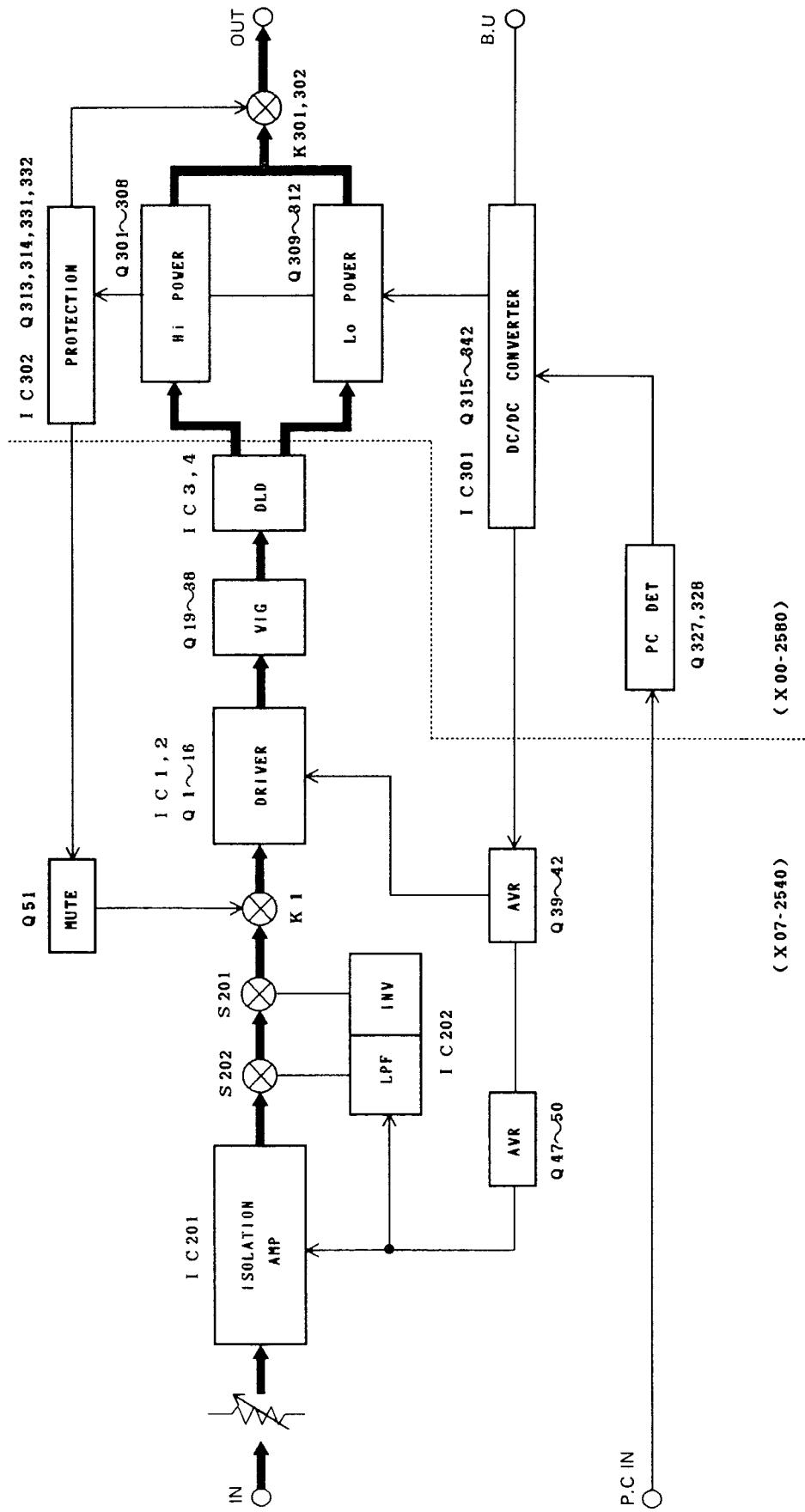
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MC-Service

## BLOCK DIAGRAM



## CIRCUIT DESCRIPTION

## FUNCTION OF EACH SEMICONDUCTOR'S

## Power amplifier unit (X07-2540-10)

Ref. No.	Component	Use/Function	Operation/Condition/Compatibility
IC1	$\mu$ PA68H	Class-A first stage	
IC2	$\mu$ PA68H	Class-A first stage	
IC3	TA2030*1	DLD switching	
IC4	TA2030*1	DLD switching	
IC201	KKN01	Isolation amplifier	
IC202 (1/2)	NJM5532D-D	Low pass filter BTL phase inversion	For sub-woofer
IC202 (2/2)			
Q1 ~ Q4	2SC945(A)	Class-A first stage	
Q5 ~ Q8	2SA733(A)	Class-A second stage	
Q9, Q10	2SC2632	Class-A cascode	
Q11, Q12	2SC2632	Class-A third stage	
Q13, Q14	2SA1124	Class-A current mirror	
Q15, Q16	2SC2632	Class-A third stage	
Q19 ~ Q26		Cascode bootstrap	
Q27 ~ Q34		Predriver	
Q35 ~ Q38		Cascode bootstrap	
Q39 ~ Q42		Constant voltage circuit	For class-A
Q43, Q44		Constant current circuit	Class-A ripple elimination circuit
Q45, Q46	2SC945(A)	Constant current circuit	Class-A first stage constant current circuit
Q47 ~ 50		Constant voltage circuit	For sub-woofer and isolation amplifier
Q51	2SA992	Delay circuit	Shorts the input side for protection relay operation.

## Power supply unit (X00-2580-10)

Ref. No.	Component	Use/Function	Operation/Condition/Compatibility
IC301	$\mu$ PC494C	Pulse generation	Generates the DC/DC conversion pulse.
IC302	$\mu$ PC1237HA	Protection IC	Power ON/OFF muting, detection of DC leak to speaker terminal, DC detection with input ground floating, and control over relays against overload at time of ASO detection • When 110°C is detected by TH1, controls over the relay and a reed relay, while when 120°C of a PC board is detected by TH4, controls over the relay and a reed relay. (No.4 pin and No.1 pin)
Q301 ~ Q308		High output side power	High output side final transistors
Q309 ~ Q312		Low output side power	Low output side final transistors
Q313, Q314 ~	2SC2631	ASO detection	With overload, limits the input for protection.
Q315 ~ Q318	2SC2654	Switching	DC/DC conversion driver stage
Q319 ~ Q326	2SC4503	Switching	DC/DC conversion power stage
Q327, Q328		Switching	Supplies power to IC301 by P-CON.
Q329, Q330	2SC3419	Bias	Final transistor temperature compensation
Q331	2SA992	Switching	Transmits the ASO detection signal to IC302.
Q332	2SD1266	Constant current circuit	Power relay drive
Q333, Q334		Switching	Turns the fan ON when TH2 detects 60°C.
Q339 ~ Q342	2SC4503	Switching	DC/DC conversion power stage
Q343	2SA733(A)	Switching	Turns the relays OFF when TH4 detects 120°C

# KAC-1021

## ADJUSTMENT/REGLAGES/ABGLEICH

### ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	AMPLIFIER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
Connect a cassette deck.							
1	IDLE CURRENT	—	Connect a DC voltmeter to: TP301 (L,R)	VOLUME: 0	VR301 (L) VR302 (R)	3mV	(a)

(Note) The DC power shall have a large capacity (of 10 A or more). If it is smaller, the DC-DC converter may not operate.

### REGLAGES

N°	ITEM	REGLAGE DE L'ENTREE	REGLAGE DE LA SORTIE	REGLAGE DE L'AMPLIFICATEUR	POINT L'ALIGNEMENT	ALIGNER POUR	FIG.
Raccorder une platine à cassette.							
1	COURANT DE POLARISATION	—	Raccorder un voltmètre CC à: TP301 (C,D)	VOLUME: 0	VR301 (G) VR302 (D)	3mV	(a)

(Remarque) L'alimentation CC doit avoir une grande capacité (de 10 A ou plus). Si elle est inférieure, le convertisseur CC CC risque de ne pas fonctionner.

### ABGLEICH

NR.	GEGENSTAND	EINGANGS-EINSTELLUNG	AUSGANGS-EINSTELLUNG	VERSTÄRKER-EINSTELLUNG	ABGLEICH-PUNKTE	ABGLEICHEN FÜR	ABB.
Ein Kassettendeck anschließen.							
1	LEERLAUFSTROM	—	Einen Gleichstrom-Voltmeter anschließen an: TP301 (L,R)	VOLUME: 0	VR301 (L) VR302 (R)	3mV	(a)

(Hinweis) Die Gleichspannung muß eine hohe Kapazität (von 10 A oder mehr) aufweisen, weil sonst der Gleichstrom-Gleichstrom Konverter eventuell nicht arbeitet.

## VOLTAGE TABLES

### POWER AMPLIFIER UNIT (X07-254X-XX)

Q1	Q15	Q29	Q40	Q48
E 4V	E —	E -1.2V	E 8.2V	E -16V
C —	C -1.8V	C -6.9V	C —	C —
B 4.7V	B —	B —	B —	B —

Q2, 4~8, 10~12 14, 16, 20~22, 24, 28, 30, 32, 34, 45, 46	Q19	Q31	Q41	Q49
E —	E —	E 0.6V	E —	E 8.2V
C —	C 7.4V	C 6.9V	C —	C —
B —	B —	B —	B -0.6V	B 8.8V

Q3	Q23	Q33	Q42	Q50
E —	E 6.9V	E -0.6V	E -56V	E -8.2V
C —	C 63V	C -6.9V	C -63V	C —
B —	B —	B —	B —	B —

Q5	Q25	Q35	Q43	Q51
E —	E -6.9V	E 1.2V	E —	E 26V
C —	C -63V	C —	C —	C —
B —	B 0.6V	B —	B 48V	B —

Q9	Q26, 36, 38	Q37	Q44	Q52
E —	E —	E -1.2V	E —	E 14.4V
C —	C -63V	C —	C -20V	C 14V
B 0V	B —	B -0.6V	B 48V	B —

Q13	Q27	Q39	Q47	Q54
E —	E 1.2V	E 56.5V	E 16V	E 26V
C —	C 6.9V	C —	C —	C —
B —	B —	B —	B —	B —

### POWER SUPPLY UNIT (X00-258X-XX)

Q301, 303	Q315, 317	IC301
E —	E -1.4V	1
C 63V	C 14.4V	2 2.5V
B —	B -1.2V	3~7 —
		8 14V

Q302, 304, 306, 308, 310, 312~314, 316, 318, 320, 322, 324, 326, 328, 330, 332~334, 340~343	Q319, 321, 339	9, 10 11, 12 13~15 16
312~314, 316, 318, 320, 322, 324, 326, 328, 330, 332~334, 340~343	E —	14V
322, 324, 326, 328, 330, 332~334, 340~343	C 14V	5V
340~343	B -1.4V	—

Q323, 325	IC302
E —	1~7
C —	—
B -1.4V	—

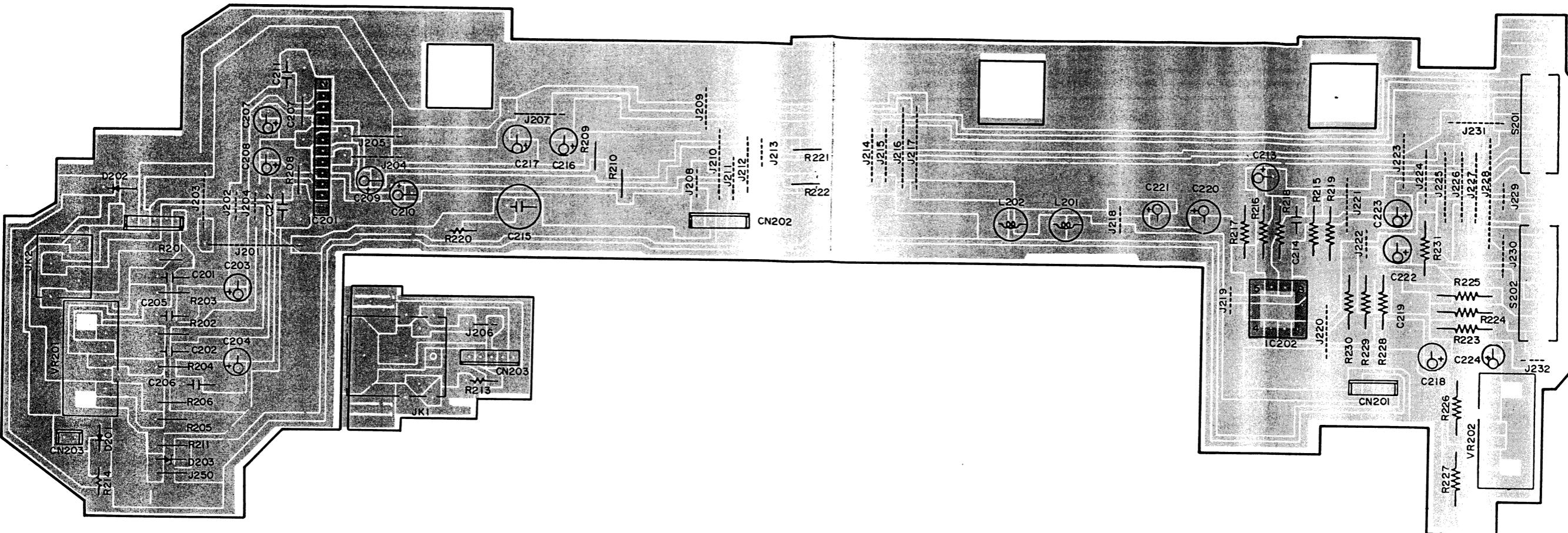
Q305, 307	Q327
E —	E 14.4V
C -63V	C 14V
B —	B —

Q309	Q329
E 3mV	E -1.8V
C —	C -0.2V
B 0.6V	B —

Q311	Q331
E —	E 26V
C —	C —
B -0.6V	B —

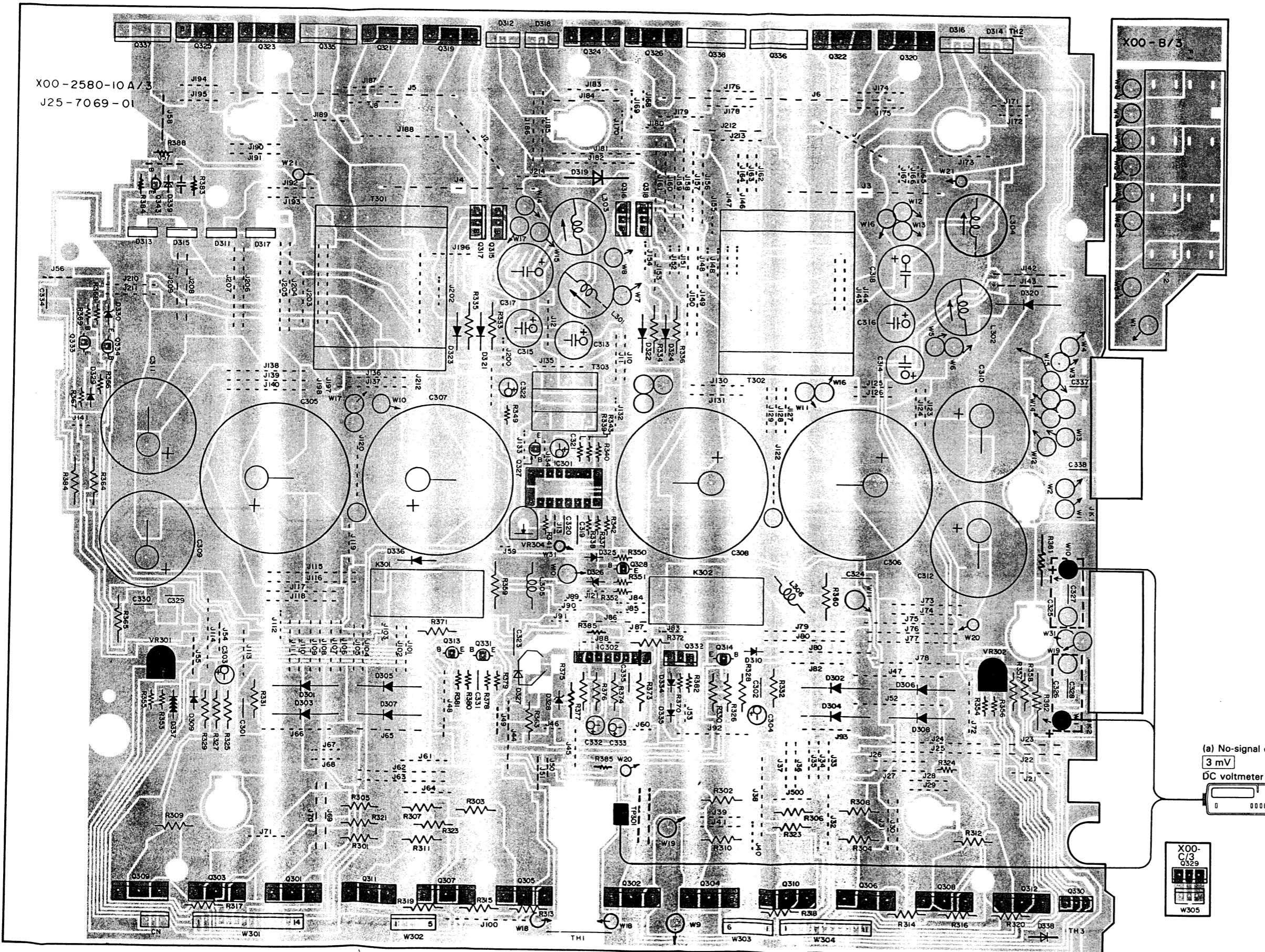
# PC BOARD (Foil side view)

POWER AMPLIFIER UNIT (X07-254X-XX)

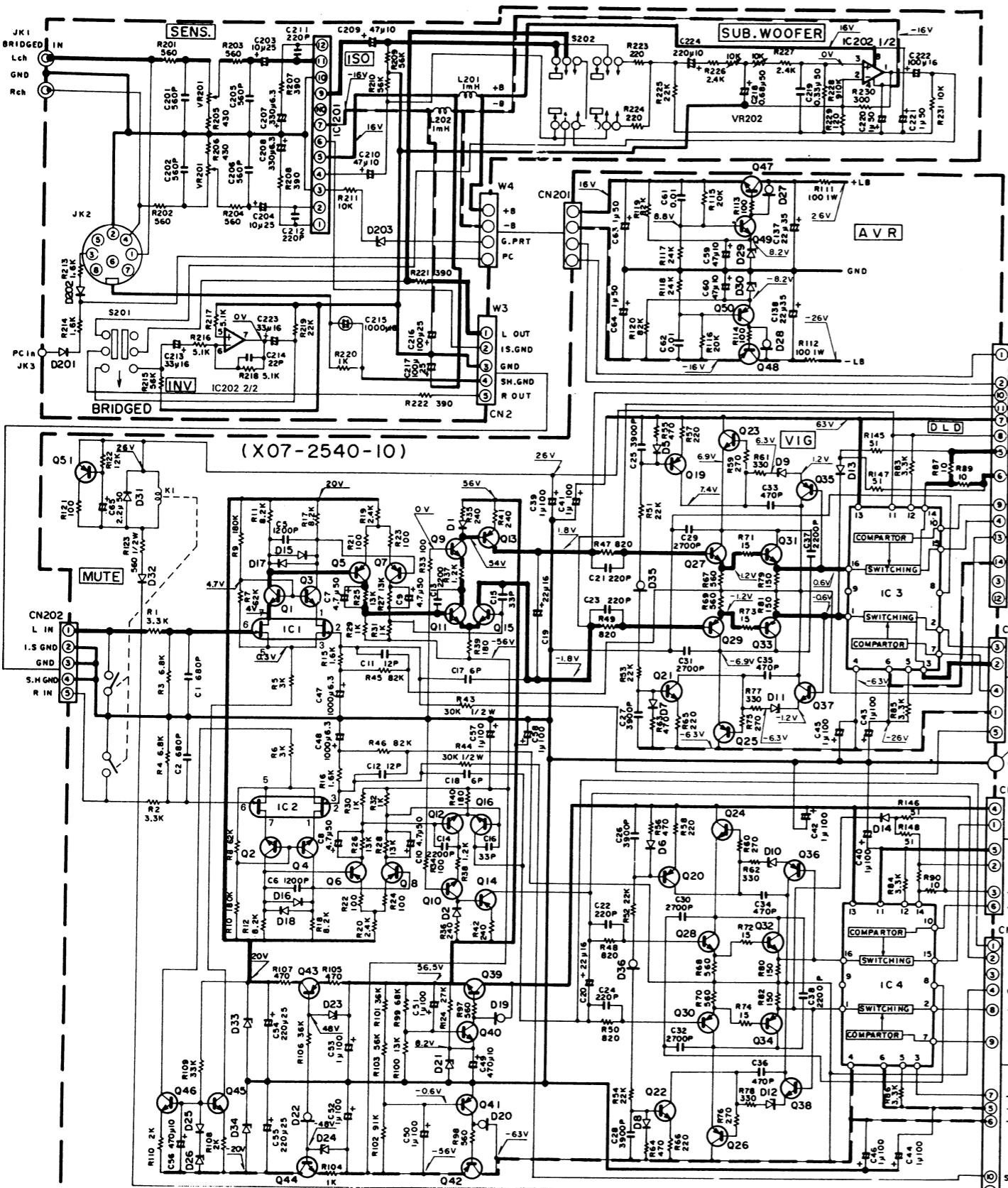


## PC BOARD (Foil side view)

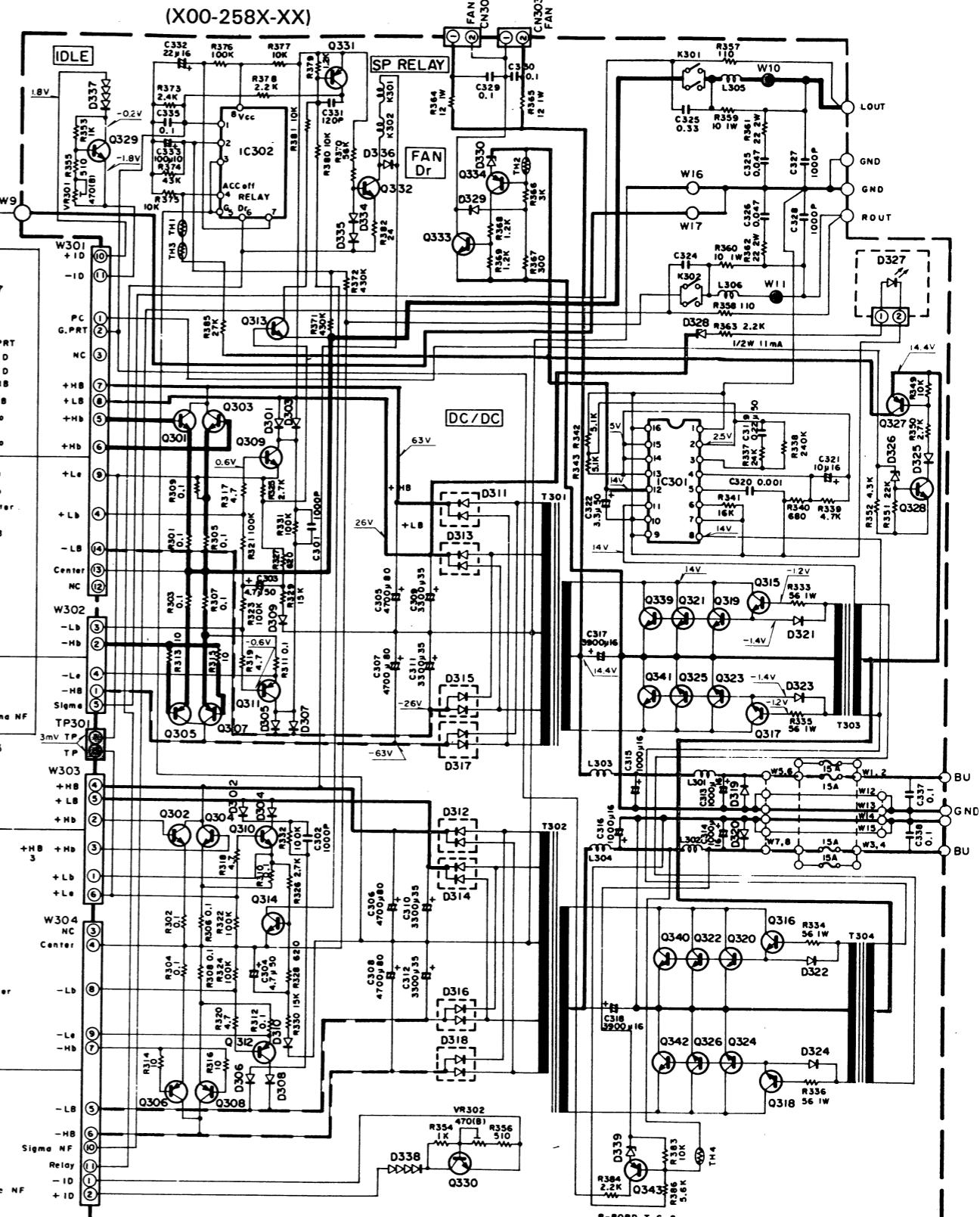
## POWER SUPPLY UNIT (X00-258X-XX)



Refer to the schematic diagram for the values of resistors and capacitors.



DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or/and units.

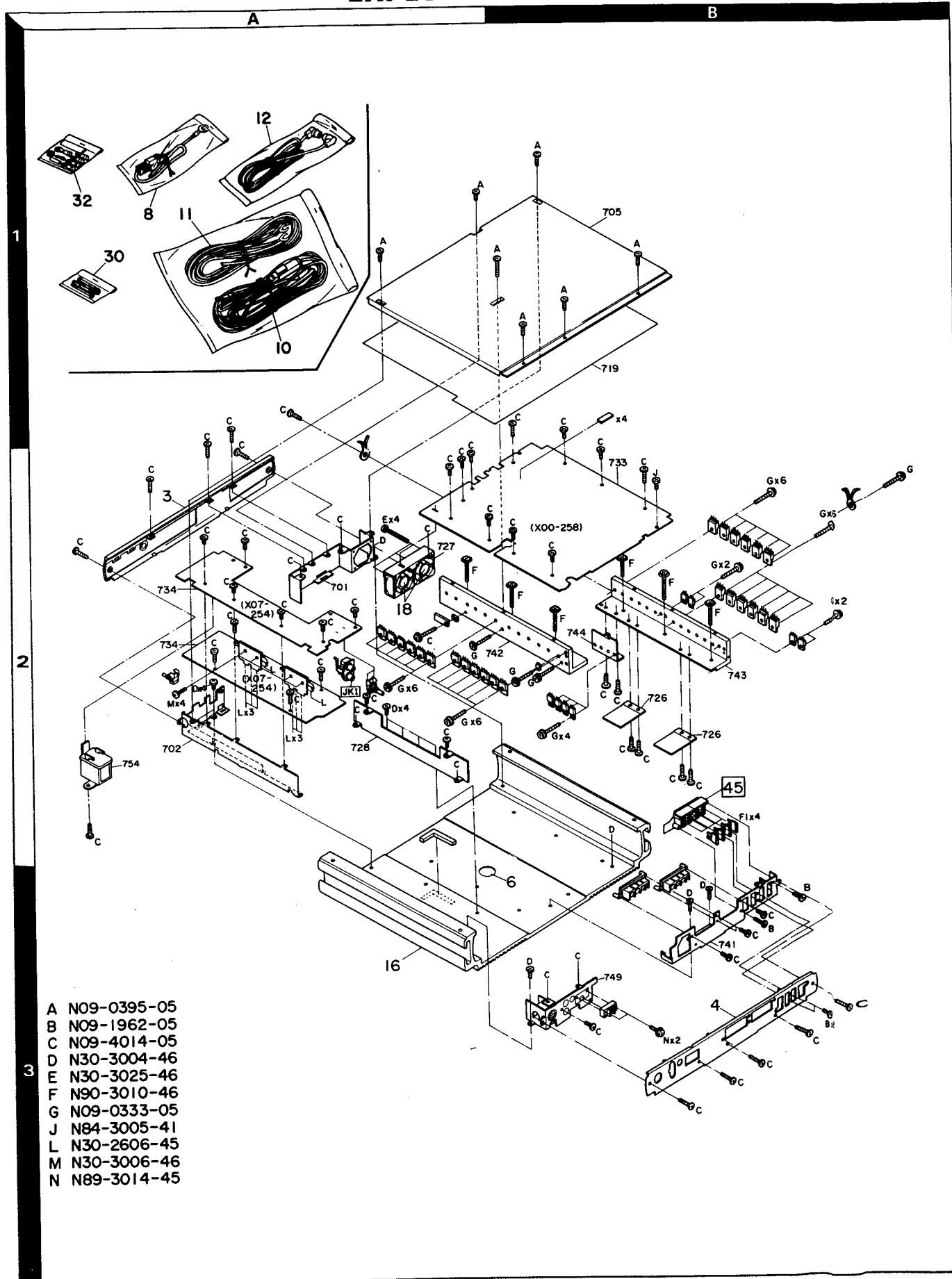


SIGNAL LINE  
GND LINE  
+ B LINE  
B LINE

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## EXPLODED VIEW



Parts with the exploded numbers larger than 700 are not supplied.

## PARTS LIST

\* New Parts

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Telle ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位 置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti- nation 仕 向	Re- marks 備考
<b>KAC-1021</b>						
3	2A	*	A20-7531-01	PANEL		
4	3B	*	A23-5006-02	REAR PANEL		
6	3A, 3B		B19-0818-04	LIGHTING BOARD		
-			B44-2163-04	UPC CODE LABEL		
-			B46-0100-10	WARRANTY CARD		
-		*	B50-7924-00	INSTRUCTION MANUAL	K	
-		*	B50-7925-00	INSTRUCTION MANUAL	ET	
-			B58-0803-13	CAUTION CARD (210X148,DBP)	ET	
-		*	B58-1210-04	CAUTION CARD	ET	
8	1A	*	E30-3579-08	DC CORD	K	
10	1A	*	E30-3581-08	DC CORD	ET	
11	1A	*	E30-3582-08	DC CORD	ET	
12	1A		E30-3587-05	CORD WITH DIN CONNECTOR	ET	
16	3A	*	F01-1314-11	HEAT SINK		
16	3A	*	F01-1343-01	HEAT SINK	K	
18	2A	*	F09-1202-05	FAN		
F1	3B		F05-1537-05	FUSE (15A フレートカット)		
F3		*	F05-3633-08	FUSE (36A)		
-		*	H01-9075-03	ITEM CARTON CASE		
-		*	H03-3089-03	OUTER CARTON CASE		
-			H10-4310-03	POLYSTYRENE FOAMED FIXTURE		
-			H25-0223-04	PROTECTION BAG (750X350X0.03)		
-			H25-0336-04	PROTECTION BAG (170X250X0.03)		
-			J61-0067-05	WIRE BAND		
30	1A		N99-1529-05	SCREW SET		
A	1A, 1B		N09-0395-05	TAPITITE SCREW (3X6, +ハ"イントツメ)		
B	3B		N09-1962-05	TAPITITE SCREW (M2.6X6 +ナハ")		
C	2A, 2B		N09-4014-05	TAPITITE SCREW (3X8, ナハ")		
D	2A, 3B		N30-3004-46	PAN HEAD MACHINE SCREW		
E	2A		N30-3025-46	PAN HEAD MACHINE SCREW		
F	2A, 2B		N90-3010-46	PAN HEAD MACHINE SCREW		
32	1A	*	W01-0702-05	ACCESSORY		
<b>POWER SUPPLY UNIT (X00-258X-XX: 0-10: K, 2-71: ET)</b>						
D327			B30-1321-05	LED(RED)		
C301, 302			CF92FV1H102J	MF	1000PF	J
C303, 304			CE04DW1H4R7M	ELECTRO	4.7UF	50WV
C305-308		*	C90-2521-05	ELECTRO	4700UF	80WV
C309-312		*	C90-2520-05	ELECTRO	3900UF	42WV
C313-316			C90-1403-05	ELECTRO	1000UF	16WV
C317, 318			C90-1634-05	ELECTRO	3900UF	16WV
C319			CF92V1H224J	MF	0.22UF	J
C320			CF92FV1H102J	MF	1000PF	J
C321			CE04DW1C100M	ELECTRO	10UF	16WV
C322			CE04DW1H3R3M	ELECTRO	3.3UF	50WV
C323			CF92V1H334J	MF	0.33UF	J
C324			CF92FV1H334J	MF	0.33UF	J
C325, 326			CF92FV1H473J	MF	0.047UF	J
C327, 328			CF92FV1H102J	MF	1000PF	J
C329, 330			CF92FV1H104J	MF	0.10UF	J

E: Scandinavia &amp; Europe K: USA

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▲ indicates safety critical components.

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C331			CC45FSL1H121J	CERAMIC 120PF J		
C332			CE04DW1C220M	ELECTRO 22UF 16WV		
C333			CE04DW1A101M	ELECTRO 100UF 10WV		
C335			CF92FV1H104J	MF 0.10UF J		
C337, 338			CF92FV1H104J	MF 0.10UF J		
JK1 , 2			E20-0479-05	SCREW TERMINAL BOARD(4P)		
45	3B		J13-0070-05	FUSE HOLDER		
L301-304			L33-0331-05	CHOKE COIL		
T301, 302		*	L19-0504-05	TRANSFORMER FOR CONVERTER		
T303		*	L19-0505-05	TRANSFORMER FOR CONVERTER		
C	2B, 3B		N09-4014-05	TAPPIE SCREW (3X8, ナット)		
G	2A, 2B		N09-0333-05	TAPPING SCREW (3X12, +ロツカクサ)		
J	2B	*	N84-3005-41	PAN HEAD TIPTITE SCREW		
R301-312			R92-0205-05	METAL-PLATE 0.1 K 2W		
R313-316			RD14DB2H100J	SMALL-RD 10 J 1/2W		
R317-320			RD14DB2H4R7J	SMALL-RD 4.7 J 1/2W		
R333-336			RS14KB3A560J	FL-PROOF RS 56 J 1W		
R359, 360			RS14KB3A100J	FL-PROOF RS 10 J 1W		
R361, 362			RS14KB3D220J	FL-PROOF RS 22 J 2W		
R363			RD14DB2H222J	SMALL-RD 2.2K J 1/2W		
R364, 365			RS14DB3A120J	FL-PROOF RS 12 J 1W		
VR301, 302			R12-0094-05	TRIMMING POT.(470 Ω)		
K301, 302			S51-2078-05	MAGNETIC RELAY		
D301-308			RU4ZLF-J1	DIODE		
D309, 310			ERA15-01Y1	DIODE		
D311, 312			FMU22S	DIODE		
D313, 314			FMU12S	DIODE		
D315, 316			FMU12R	DIODE		
D317, 318			FMU22R	DIODE		
D319, 320			RM4ZLF-J1	DIODE		
D321-324			EH1Z	DIODE		
D325			1SS176	DIODE		
D326			RD5.1JS(B2)	ZENER DIODE		
D328			RD10JS(B)	ZENER DIODE		
D329			1SS176	DIODE		
D330			RD5.1JS(B)	ZENER DIODE		
D334, 335			1SS176	DIODE		
D336			DSM1A1	DIODE		
D337, 338			MA27Q	VARISTOR		
D339			RD5.1JS(B2)	ZENER DIODE		
IC301			UPC494C	IC(SWITCHING REGULATOR)		
IC302			UPC1237HA	IC(POWER AMP)		
Q301-304			2SC2837A*5	TRANSISTOR		
Q305-308			2SA1186A*5	TRANSISTOR		
Q309, 310			2SC3284*5	TRANSISTOR		
Q311, 312			2SA1303*5	TRANSISTOR		
Q313, 314			2SC2631(Q, R)	TRANSISTOR		
Q315-318			2SC2654	TRANSISTOR		
Q319-326		*	2SC4503	TRANSISTOR		
Q327			2SB873	TRANSISTOR		
Q328			2SC945(A)(Q, P)	TRANSISTOR		
Q329, 330			2SC3419(Y)	TRANSISTOR		

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Q331			2SA992(F, E)	TRANSISTOR				
Q332			2SD1266	TRANSISTOR				
Q333			2SC3940A(R, S)	TRANSISTOR				
Q334			2SA992(F, E)	TRANSISTOR				
Q339-342		*	2SC4503	TRANSISTOR				
Q343			2SA733(A)(Q, P)	TRANSISTOR				
TH1 , 2			PTH487A01BC222T	POSITIVE RESISTOR				
TH3		*	PTH487A01BH222T	POSITIVE RESISTOR				
TH4		*	PTH59F04BB222TS	POSITIVE RESISTOR				
<b>POWER AMPLIFIER UNIT (X07-254X-XX: 0-10: K, 2-71: ET)</b>								
C1 , 2			CK45FB1H681K	CERAMIC	680PF	K		
C5 , 6			CF92FV1H122J	MF	1200PF	J		
C7			CE04DW1H4R7M	ELECTRO	4.7UF	50WV		
C8			CE04KW1H4R7M	ELECTRO	4.7UF	50WV		
C9			CE04DW1H4R7M	ELECTRO	4.7UF	50WV		
C10			CE04KW1H4R7M	ELECTRO	4.7UF	50WV		
C11 , 12			CC45FSL1H120J	CERAMIC	12PF	J		
C13 , 14			CF92FV1H222J	MF	2200PF	J		
C15 , 16			CC45FSL1H330J	CERAMIC	33PF	J		
C17 , 18			CC45FSL1H060D	CERAMIC	6.0PF	D		
C19 , 20			CE04KW1C220M	ELECTRO	22UF	16WV		
C21 -24			CC45FSL1H221J	CERAMIC	220PF	J		
C25 -28			CF92FV1H392J	MF	3900PF	J		
C29 -32			CF92V1H272J	MF	2700PF	J		
C33 -36			CK45FB1H471K	CERAMIC	470PF	K		
C37 , 38			CF92FV1H222J	MF	2200PF	J		
C39			CE04KW2A010M	ELECTRO	1.0UF	100WV		
C40 -46			CE04DW2A010M	ELECTRO	1.0UF	100WV		
C47 , 48			C90-1643-05	ELECTRO	1000UF	6.3WV		
C49			CE04DW1A471M	ELECTRO	470UF	10WV		
C50 -53			CE04DW2A010M	ELECTRO	1.0UF	100WV		
C54 , 55			CE04DW1E221M	ELECTRO	220UF	25WV		
C56			CE04DW1A471M	ELECTRO	470UF	10WV		
C57 , 58			CE04DW2A010M	ELECTRO	1.0UF	100WV		
C59 , 60			CE04KW1A470M	ELECTRO	47UF	10WV		
C61 , 62			CF92FV1H103J	MF	0.010UF	J		
C63 , 64			CE04KW1H010M	ELECTRO	1.0UF	50WV		
C65			CE04DW1H2R2M	ELECTRO	2.2UF	50WV		
C137			CE04KW1V220M	ELECTRO	22UF	35WV		
C138			CE04DW1V220M	ELECTRO	22UF	35WV		
C201, 202			CK45FB1H561K	CERAMIC	560PF	K		
C203, 204			C90-1638-05	ELECTRO	10UF	16WV		
C205, 206			CK45FB1H561K	CERAMIC	560PF	K		
C207, 208			C90-1641-05	ELECTRO	330UF	6.3WV		
C209, 210			CE04DW1A470M	ELECTRO	47UF	10WV		
C211, 212			CK45FB1H221K	CERAMIC	220PF	K		
C213			CE04DW1C330M	ELECTRO	33UF	16WV		
C214			CC45FSL1H220J	CERAMIC	22PF	J		
C215			C90-1630-05	NP-ELEC	1000UF	16WV		
C216, 217			CE04DW1E101M	ELECTRO	100UF	25WV		
C218			CE04CW1HR68M	ELECTRO	0.68UF	50WV		
C219			CE04DW1HR33M	ELECTRO	0.33UF	50WV		
C220, 221			CE04DW1H010M	ELECTRO	1.0UF	50WV		
C222			CE04DW1C101M	ELECTRO	100UF	16WV		
C223			CE04DW1C330M	ELECTRO	33UF	16WV		

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C224			CE04DW1A221M	ELECTRO 220UF 10WV		
JK1	2A		E13-0256-05	PHONO JACK (2P)		
JK2		*	E06-0816-05	REC/PLAY JACK		
JK3			E20-0104-05	SCREW TERMINAL BOARD(1P)		
L201,202			L33-0344-15	CHOKE COIL		
C	3B		N09-4014-05	TAPTITE SCREW (3X8,ナット)		
L	2A		N30-2606-45	PAN HEAD MACHINE SCREW		
M	2A		N30-3006-46	PAN HEAD MACHINE SCREW		
N	3B		N89-3014-45	BINDING HEAD TAPTITE SCREW		
R43 ,44		*	R92-2010-05	CARBON FILM RESISTOR		
R87 -90			RD14DB2H100J	SMALL-RD 10 J 1/2W		
R111,112			RS14KB3A101J	FL-PROOF RS 100 J 1W		
R123			RD14DB2H561J	SMALL-RD 560 J 1/2W		
VR201		*	R10-3633-05	POTENTIOMETER(20K)		
VR202			R10-3632-05	POTENTIOMETER(10K)		
K1			S51-2074-05	MAGNETIC RELAY		
S201		*	S31-2623-05	SLIDE SWITCH		
S202		*	S31-4643-05	SLIDE SWITCH		
D1 ,2			1SS176	DIODE		
D5 -8			1SS176	DIODE		
D9 -12			RD5.1JS(B)	ZENER DIODE		
D13 ,14			ERA15-01Y1	DIODE		
D15 -18			1SS176	DIODE		
D19 ,20			E-152	CONSTANT CURRENT DIODE		
D21			RD8.2JS(B2)	ZENER DIODE		
D22			E-152	CONSTANT CURRENT DIODE		
D23 ,24			RD8.2JS(B2)	ZENER DIODE		
D25			1SS176	DIODE		
D26			RD5.1JS(B)	ZENER DIODE		
D27 ,28			E-152	CONSTANT CURRENT DIODE		
D29 ,30			RD8.2JS(B2)	ZENER DIODE		
D31			1SS176	DIODE		
D32			ERA15-01Y1	DIODE		
D33 ,34			RD20JS(B)	ZENER DIODE		
D35 ,36			E-202	CONSTANT CURRENT DIODE		
D201,202			1SS176	DIODE		
D203			RD5.1JS(B)	ZENER DIODE		
IC1 ,2			UPA68H	DUAL FET		
IC3 ,4			TA2030*1	IC(LD/HI SWITCHING)		
IC201		*	KKN01	IC		
IC202			NJM5532D-D	IC(OP AMP X2)		
Q1 -4			2SC945(A)(Q,P)	TRANSISTOR		
Q5 -8			2SA733(A)(Q,P)	TRANSISTOR		
Q9 -12			2SC2632(Q,R,S)	TRANSISTOR		
Q13 ,14			2SA1124(Q,R,S)	TRANSISTOR		
Q15 ,16			2SC2632(Q,R,S)	TRANSISTOR		
Q19			2SA1123(Q,R)	TRANSISTOR		
Q20			2SA1123(Q,R)	TRANSISTOR		
Q21 ,22			2SC2631(Q,R)	TRANSISTOR		
Q23 ,24			2SC3944A(Q,R)	TRANSISTOR		
Q25 ,26			2SA1535A(Q,R)	TRANSISTOR		
Q27 ,28			2SC945(A)(Q,P)	TRANSISTOR		

E: Scandinavia &amp; Europe K: USA P: Canada

U: PX(Far East, Hawaii) T: England M: Other Areas

UE: AAFES(Europe) X: Australia

▲ indicates safety critical components.

## PARTS LIST

\* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

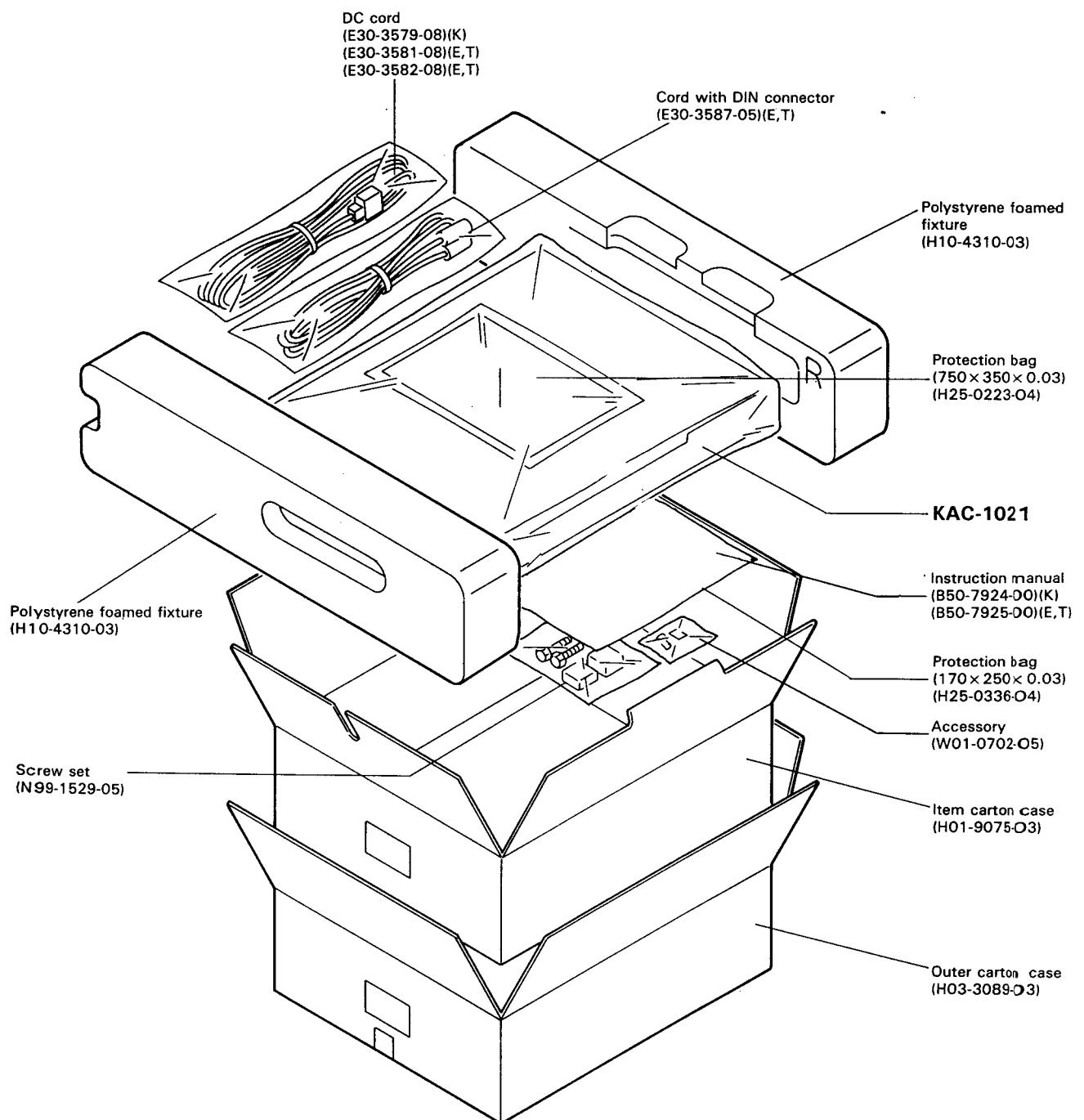
Ref. No. 参照番号	Address 位 置	New Parts 新 品	Parts No. 部品番号	Description 部品名／規格	Desti- nation 仕向	Re- marks 備考
Q29 , 30			2SA733(A)(Q,P)	TRANSISTOR		
Q31 , 32			2SC3940A(R,S)	TRANSISTOR		
Q33 , 34			2SA1534A(R,S)	TRANSISTOR		
Q35 , 36			2SA1123(Q,R)	TRANSISTOR		
Q37 , 38			2SC2631(Q,R)	TRANSISTOR		
Q39			2SD1266(Q,P)	TRANSISTOR		
Q40			2SC1845(F,E)	TRANSISTOR		
Q41			2SA992(F,E)	TRANSISTOR		
Q42			2SB941(Q,P)	TRANSISTOR		
Q43			2SA1110(Q,R)	TRANSISTOR		
Q44			2SC2632(Q,R,S)	TRANSISTOR		
Q45 , 46			2SC945(A)(Q,P)	TRANSISTOR		
Q47			2SD1266(Q,P)	TRANSISTOR		
Q48			2SB941(Q,P)	TRANSISTOR		
Q49			2SC945(A)(Q,P)	TRANSISTOR		
Q50			2SA733(A)(Q,P)	TRANSISTOR		
Q51			2SA992(F,E)	TRANSISTOR		

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▲ indicates safety critical components.

# KAC-1021

## PACKING



MC-Service

# KAC-1021

## SPECIFICATIONS

### Audio section

Max Power Output	(NORMAL) .....	420 W x 2
	(BRIDGED) .....	840 W x 1
Power Output	(NORMAL) ....220 W x 2 (4 Ω, 20~20 kHz, less than 0.08% THD)	
	(BRIDGED) .....	440 W x 1 (4 Ω, 1 kHz, 0.08% THD)
Power Output	(NORMAL) ....370 W x 2 (2 Ω, 1 kHz, 0.08% THD)	
Frequency Response	.....	2 Hz~100 kHz (-3 dB)
Signal to Noise Ratio	.....	105 dB
Sensitivity (MAX)	.....	0.1 V (rated output)
Sensitivity (MIN)	.....	5.0 V (rated output)
Input Impedance	.....	10 kΩ
Damping Factor	.....	More than 5000 (100 Hz)
Sub Woofer Frequency	.....	30~150 Hz (VARIABLE)

### General

Operating Voltage	.....	14.4 (11~16 allowable) V
Current Consumption (MAX)	.....	60 A
Dimensions	.....	400(W) x 55(H) x 300(D) mm (15-3/4) x (2-3/16) x (11-13/16) inch
Weight	.....	6.9kg 15.2 lb

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

KENWOOD poursuit une politique de progrès constants en ce qui concerne le développement. Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

KENWOOD strebt ständige, Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

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